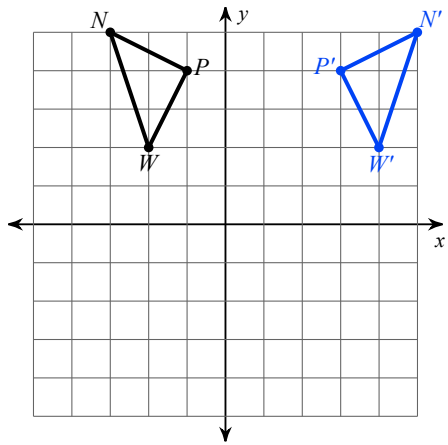


3.5 Reflections on the Coordinate Plane

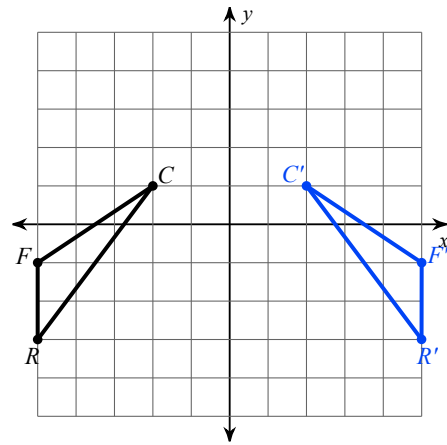
Date _____ Period _____

Write a rule to describe each transformation.

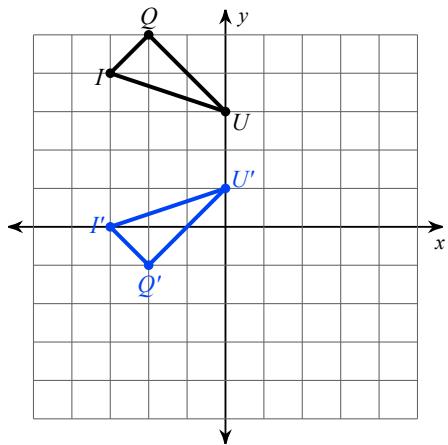
1)



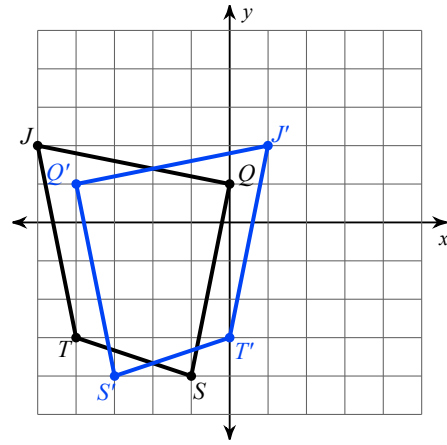
2)



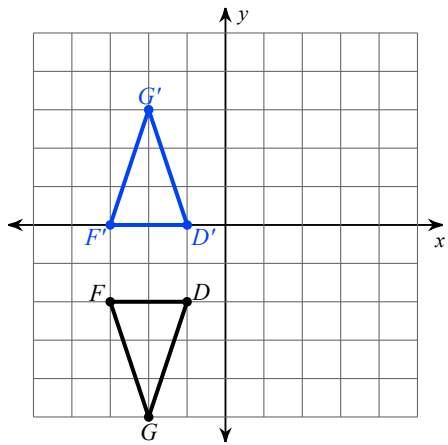
3)



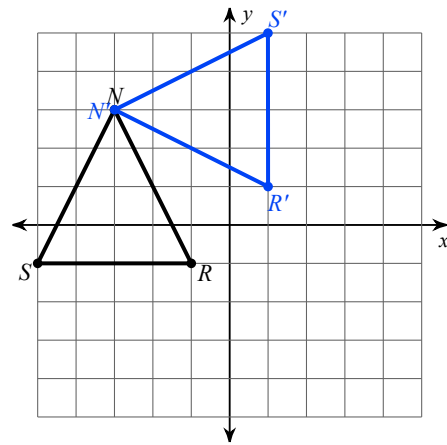
4)



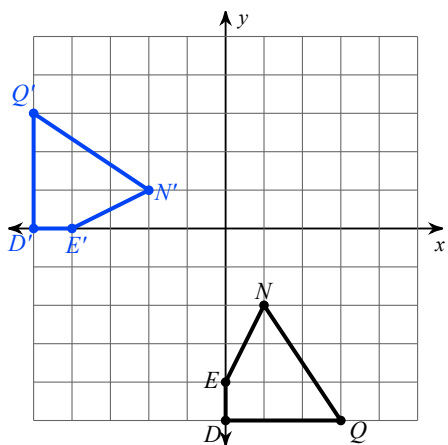
5)



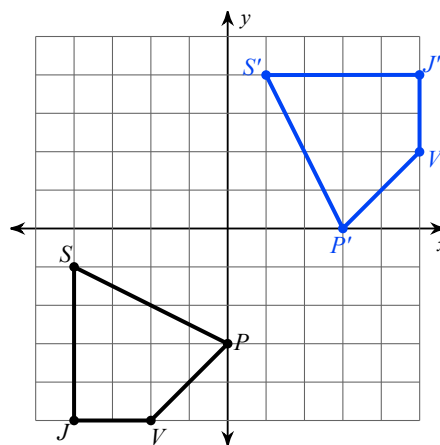
6)



7)

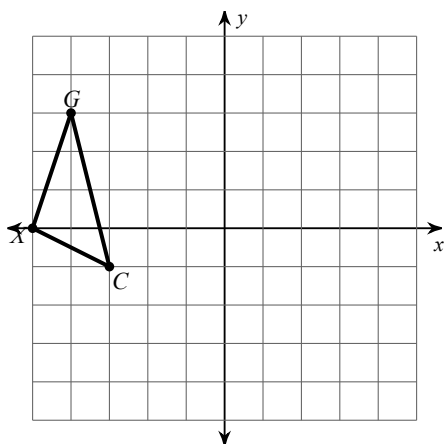


8)

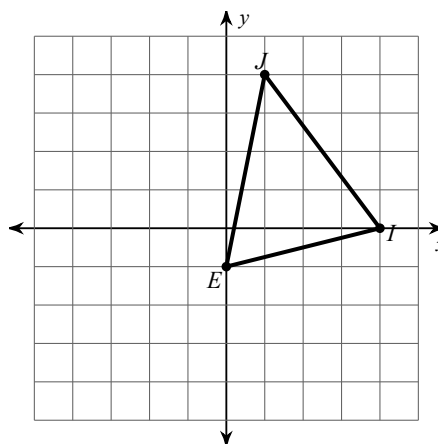
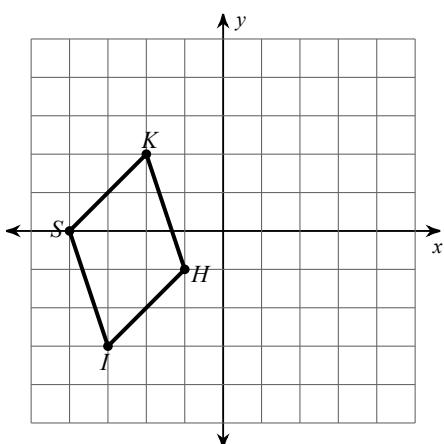


Graph the image of the figure using the transformation given.

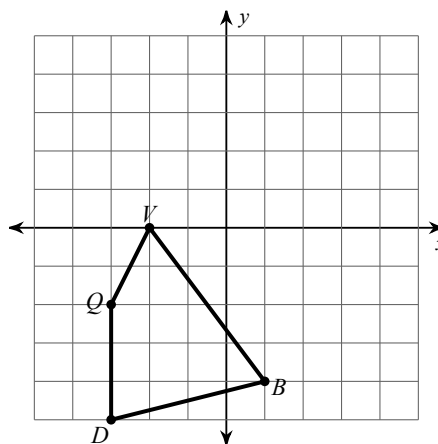
9) reflection across the x-axis



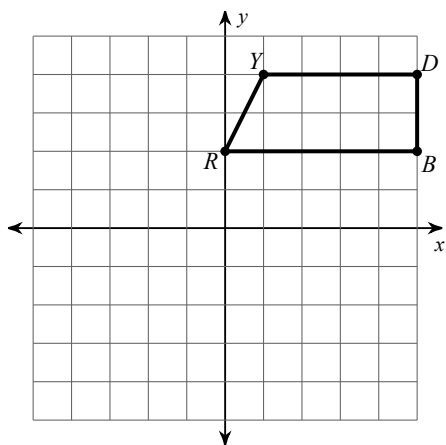
10) reflection across the y-axis

11) reflection across $x = -1$ 

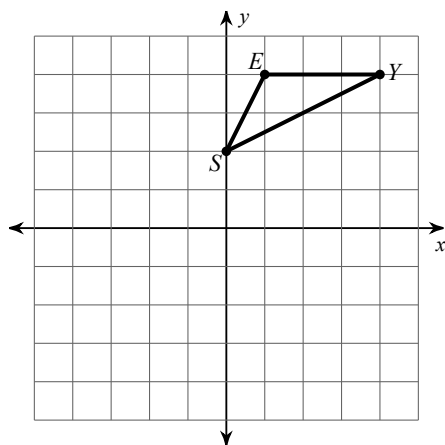
12) reflection across the y-axis



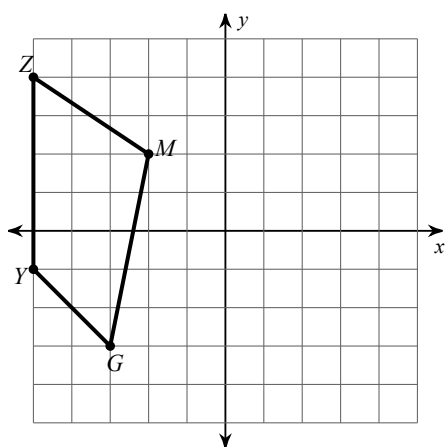
13) reflection across $x = 2$



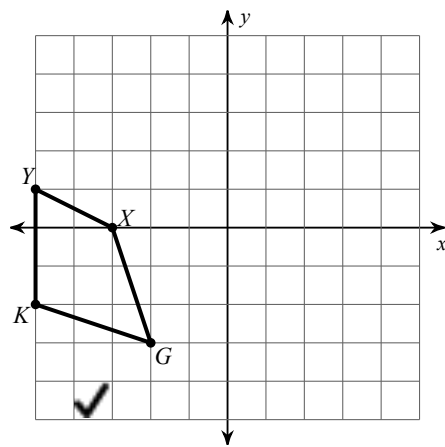
14) reflection across $x = 1$



15) reflection across $y = 1$



16) reflection across the x-axis

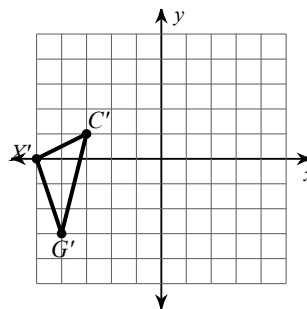


Answers to 3.5 Reflections on the Coordinate Plane (ID: 1)

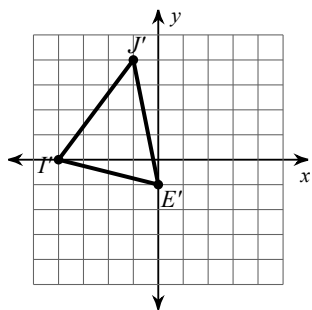
- 1) reflection across $x = 1$
- 4) reflection across $x = -2$
- 7) reflection across $y = x$

- 2) reflection across the y-axis
- 5) reflection across $y = -1$
- 8) reflection across $y = -x$

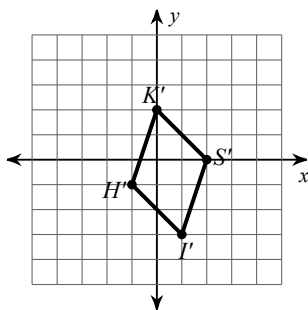
- 3) reflection across $y = 2$
- 6) reflection across $y = -x$
- 9)



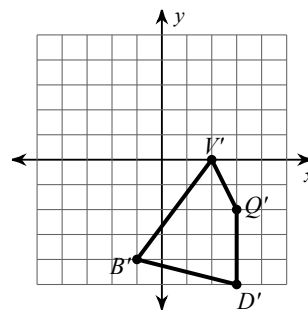
10)



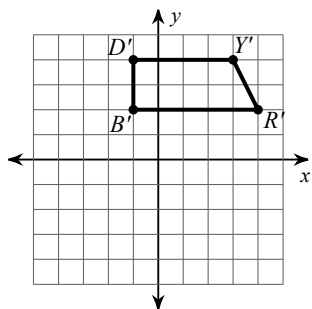
11)



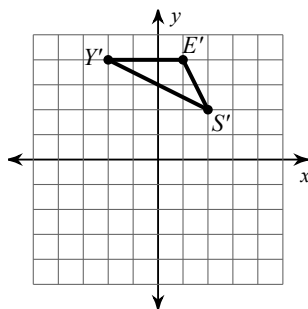
12)



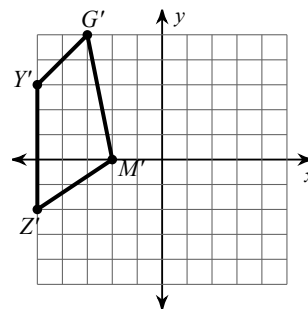
13)



14)



15)



16)

